

Appl. No. 09/941,027
Amdt. dated Jan. 26, 2005
Reply to Office action of Nov. 26, 2004

Amendments to the Specification:

On page 1 of the specification, please replace paragraph [03] with the following paragraph:

[03] This invention addresses the receiver design for digital communication systems, specifically the equalization portion of the receiver. As an example, this invention has been applied to the ~~EDGE~~ Enhanced Data for Global Evolution (EDGE) standard (“Digital Cellular Communication System (Phase 2+) (GSM 05.01 – GSM 05.05 version 8.4.0 Release 1999)”). The EDGE standard is built on the existing ~~GSM~~ Global System for Mobile Communication (GSM) standard, using the same time-division multiple access (TDMA) frame structure. EDGE uses 8-PSK (Phase-shift keying) modulation, which is a high-order modulation that provides for high data rate services. In 8-PSK modulation, three information bits are conveyed per symbol by modulating the carrier by one of eight possible phases.